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|---|----|--|---------------------------------|--------------------------|-------|----------|----------------------------------|
|   |    |  | APPLICANT<br>Feng et al.        |                          |       |          |                                  |
|   |    |  | FILING DATE<br>January 26, 2005 | GROUP                    |       |          |                                  |
| EXAMINER<br>INITIAL   |    | DOCUMENT<br>NUMBER   | DATE                            | NAME                     | CLASS | SUBCLASS | FILING DATE<br>IF<br>APPROPRIATE |
| KC  | AA | 5,011,846  | 04/30/91                        | Gittos et al.            | 514   | 294      |                                  |
| KC  | AB | 5,290,781  | 03/01/94                        | Espino et al.            | 514   | 259      |                                  |
| KC  | AC | 5,494,928  | 02/27/96                        | Bös                      | 514   | 415      |                                  |
| KC  | AD | 5,538,974  | 07/23/96                        | Ogawa et al.             | 514   | 253      |                                  |
| KC  | AE | 5,561,150  | 10/01/96                        | Wichmann                 | 514   | 406      |                                  |
| KC  | AF | 5,571,833  | 11/05/96                        | Kruse et al.             | 514   | 414      |                                  |
| KC  | AG | 5,578,612  | 11/26/96                        | Macor et al.             | 514   | 323      |                                  |
| KC  | AH | 5,646,173  | 07/08/97                        | Bös et al.               | 514   | 411      |                                  |
| KC  | AI | 5,652,272  | 07/29/97                        | Ogawa et al.             | 514   | 652      |                                  |
| KC  | AJ | 5,693,654  | 12/02/97                        | Birch                    | 514   | 323      |                                  |
| KC  | AK | 5,874,477  | 02/23/99                        | McConnell et al.         | 514   | 657      |                                  |
| FOREIGN PATENT DOCUMENTS  |    |  |                                 |                          |       |          |                                  |
|   |    | DOCUMENT<br>NUMBER   | DATE                            | COUNTRY                  | CLASS | SUBCLASS | TRANSLATION                      |
|   |    |  |                                 |                          |       |          | YES      NO                      |
| KC  | AL | CA 2,036,975   | 08/28/91                        | Canada                   |       |          |                                  |
| KC  | AM | EP 0 771 563 B1  | 01/22/03                        | Europe                   |       |          |                                  |
| KC  | AN | ES 323985  | 12/16/66                        | Spain                    |       |          | X                                |
| KC  | AO | WO 92/00338  | 01/09/92                        | PCT                      |       |          |                                  |
| KC  | AP | WO 94/03162  | 02/17/94                        | PCT                      |       |          |                                  |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)  |    |  |                                 |                          |       |          |                                  |
| KC  | AR | Boudier et al., "Structure Activity Relationships for Central and Peripheral Alpha Adrenergic Activities of Imidazoline Derivatives," <i>Life Sciences</i> , Vol. 17, pp. 377-386 (1975)                             |                                 |                          |       |          |                                  |
| KC  | AS | Bowen et al., "Nonlinear regression using spreadsheets," <i>Trends in Pharmacological Sciences</i> , Vol. 16, pp. 413-417 (1995)   |                                 |                          |       |          |                                  |
| KC  | AT | Bradford et al., "A Rapid and Sensitive Method for the Quantitation of Mircorgam Quantities of Protein Utilizing the Principle of Protein-Dye Binding," <i>Analytical Biochemistry</i> , Vol. 72, pp. 248-254 (1976) |                                 |                          |       |          |                                  |

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| EXAMINER INITIAL   |    | DOCUMENT NUMBER   | DATE                            | NAME                     | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| KC   | BA | 5,891,131   | 04/06/99                        | Rajan et al.             | 606   | 5        |                            |
| KC   | BB | 5,902,815   | 05/11/99                        | Olney et al.             | 514   | 285      |                            |
| KC   | BC | 6,107,324   | 08/22/00                        | Behan et al.             | 514   | 406      |                            |
| KC   | BD | 6,660,870   | 12/09/03                        | Ruskinko et al.          | 548   | 307.4    |                            |
| KC   | BE | 6,664,286   | 12/16/03                        | May et al.               | 514   | 415      |                            |
| KC   | BF | 6,696,476   | 02/24/04                        | Chen et al.              | 514   | 403      |                            |
| KC   | BG | 6,806,285   | 10/19/04                        | May et al.               | 514   | 416      |                            |
| KC   | BH | 6,884,816   | 04/26/05                        | May et al.               | 514   | 405      |                            |
| KC   | BI | 2003/0181503  | 09/25/03                        | May et al.               | 514   | 406      |                            |
|  | BJ |   |                                 |                          |       |          |                            |
|  | BK |   |                                 |                          |       |          |                            |
| FOREIGN PATENT DOCUMENTS   |    |   |                                 |                          |       |          |                            |
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| KC   | BL | WO 97/35579   | 10/02/97                        | PCT                      |       |          |                            |
| KC   | BM | WO 98/18458   | 05/07/98                        | PCT                      |       |          |                            |
| KC   | BN | WO 98/31354   | 07/23/98                        | PCT                      |       |          |                            |
| KC   | BO | WO 99/59499   | 11/25/99                        | PCT                      |       |          |                            |
| KC   | BP | WO 00/12475   | 03/09/00                        | PCT                      |       |          |                            |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)   |    |   |                                 |                          |       |          |                            |
| KC   | BR | Chambers et al., "Enantiospecific Synthesis and Pharmacological Evaluation of a Series of Super-Potent, Conformationally Restricted 5-HT <sub>2A/2C</sub> Receptor Agonists," <i>J. Med. Chem.</i> , Vol. 44, pp. 1003-1010 (2001)                    |                                 |                          |       |          |                            |
| KC   | BS | Chang et al., "Mechanism of the Ocular Hypotensive Action of Ketanserin," <i>J. of Ocular Pharmacology</i> , Vol. 1(2), pp. 137-147 (1985)  |                                 |                          |       |          |                            |
| KC   | BT | De Vry et al., "Characterization of the Aminomethylchroman Derivative BAY X 3702 as a Highly Potent 5-Hydroxytryptamine <sub>1A</sub> Receptor Agonist," <i>J. of Pharmacology and Experimental Therapeutics</i> , Vol. 284 (3), pp. 1082-1094 (1998) |                                 |                          |       |          |                            |

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| LIST OF DOCUMENTS CITED BY APPLICANT                                   |    |  | APPLICANT        |            |       |          |  |
| (Use several sheets if necessary)                                      |    |  | Feng et al.      |            |       |          |  |
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|  |    |  | January 26, 2005 | NYA        |       |          |  |
| U.S. PATENT DOCUMENTS  |    |  |                  |            |       |          |  |
| EXAMINER INITIAL   |    | DOCUMENT NUMBER  | DATE             | NAME       | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE                               |
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| FOREIGN PATENT DOCUMENTS   |    |  |                  |            |       |          |  |
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| KC   | CL | WO 00/12510  | 03/09/00         | PCT        |       |          |  |
| KC   | CM | WO 00/16761  | 03/30/00         | PCT        |       |          |  |
| KC   | CN | WO 00/35922  | 06/22/00         | PCT        |       |          |  |
| KC   | CO | WO 00/44753  | 08/03/00         | PCT        |       |          |  |
| KC   | CP | WO 01/40183  | 06/07/01         | PCT        |       |          |  |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) |    |  |                  |            |       |          |  |
| KC   | CR | Florella et al., "The role of the 5-HT <sub>2A</sub> and 5-HT <sub>2C</sub> receptors in the stimulus effects of hallucinogenic drugs III: the mechanistic basis for supersensitivity to the LSD stimulus following serotonin depletion," <i>Psychopharmacology</i> , Vol. 121, pp. 364-372 (1995)   |                  |            |       |          |  |
| KC   | CS | Griffin et al., "Pharmacological Characterization of an FP Prostaglandin Receptor on Rat Vascular Smooth Muscle Cells (A7r5) Coupled to Phosphoinositide Turnover and Intracellular Calcium Mobilization," <i>J. of Pharmacology and Experimental Therapeutics</i> , Vol. 286(1), pp. 411-418 (1998) |                  |            |       |          |  |
| KC   | CT | Gupta et al., "Therapeutic Potentials of 5-HT Receptor Modulators," <i>Indian J. of Pharmacology</i> , Vol. 26, pp. 94-107 (1994)  |                  |            |       |          |  |

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| FOREIGN PATENT DOCUMENTS   |    |  |          |                          |       |          |                                  |
|  |    | DOCUMENT<br>NUMBER   | DATE     | COUNTRY                  | CLASS | SUBCLASS | TRANSLATION                      |
|  |    |  |          |                          |       |          | YES      NO                      |
| KC   | DL | WO 01/70207  | 09/27/01 | PCT                      |       |          |                                  |
| KC   | DM | WO 01/70223  | 09/27/01 | PCT                      |       |          |                                  |
| KC   | DN | WO 01/70230  | 09/27/01 | PCT                      |       |          |                                  |
| KC   | DO | WO 01/70701  | 09/27/01 | PCT                      |       |          |                                  |
| KC   | DP | WO 01/70702  | 09/27/01 | PCT                      |       |          |                                  |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)           |    |  |          |                          |       |          |                                  |
| KC   | DR | Hoyer et al., "VII. International Union of Pharmacology Classification of Receptors for 5-Hydroxytryptamine (Serotonin), <i>Pharmacological Reviews</i> , Vol. 46(2), pp. 157-203 (1994) |          |                          |       |          |                                  |
| KC   | DS | Johnson et al., "Binding to the Serotonin 5-HT <sub>2</sub> Receptor by the Enantiomers of <sup>125</sup> I-DOI, <i>Neuropharmacology</i> , Vol. 26(12), pp. 1803-1806 (1987)            |          |                          |       |          |                                  |
| KC   | DT | Krootila et al., "Effect of Serotonin and Its Antagonist (Ketanserin) in Intraocular Pressure in the Rabbit," <i>J. of Ocular Pharmacology</i> , Vol. 3(4), pp. 279-290 (1987)           |          |                          |       |          |                                  |

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|  | EA |  |                          |         |       |          |                            |
|  | EB |  |                          |         |       |          |                            |
|  | EC |  |                          |         |       |          |                            |
|  | ED |  |                          |         |       |          |                            |
|  | EE |  |                          |         |       |          |                            |
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|  | EG |  |                          |         |       |          |                            |
|  | EH |  |                          |         |       |          |                            |
|  | EI |  |                          |         |       |          |                            |
|  | EJ |  |                          |         |       |          |                            |
|  | EK |  |                          |         |       |          |                            |
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|  |    | DOCUMENT NUMBER  | DATE                     | COUNTRY | CLASS | SUBCLASS | TRANSLATION                |
|  |    |  |                          |         |       |          | YES      NO                |
| KC   | EL | WO 01/70745  | 09/27/01                 | PCT     |       |          |                            |
| KC   | EM | WO 02/098350   | 12/12/02                 | PCT     |       |          |                            |
| KC   | EN | WO 02/098400   | 12/12/02                 | PCT     |       |          |                            |
| KC   | EO | WO 02/098860   | 12/12/02                 | PCT     |       |          |                            |
| KC   | EP | WO 03/051291   | 06/26/03                 |         |       |          |                            |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) |    |  |                          |         |       |          |                            |
| KC   | ER | Lopez-Rodriguez, "Synthesis and Structure-Activity Relationships of a New Model of Arylpiperazines. 4. <sup>1</sup> -( $\omega$ -(4-Arylpiperazine-1-yl)alkyl)-3-(diphenylmethylene)-2,5-pyrrolidinediones and -3-(9H-fluoren-9-ylidene)-2,5-pyrrolidinediones: Study of the Steric Requirements of the Terminal Amide Fragment on 5-HT <sub>1A</sub> Affinity/Selectivity," <i>J. Med. Chem.</i> , 42(1):36-49 (1999) |                          |         |       |          |                            |
| KC   | ES | Mallorga et al., "Characterization of serotonin receptors in the iris + ciliary body of the albino rabbit," <i>Current Eye Research</i> , Vol. 6(3), pp. 527-532 (1987)  |                          |         |       |          |                            |
| KC   | ET | Martin et al., "The Structure and Signalling Properties of 5-HT Receptors: an endless diversity?" <i>Trends in Pharmaceutical Sciences</i> , Vol. 19, pp. 2-4 (1998)   |                          |         |       |          |                            |

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| KC   | FL | WO 03/051352   | 06/26/03                        | PCT                      |       |          |                                  |
| KC   | FM | WO 03/053436   | 07/03/03                        | PCT                      |       |          |                                  |
| KC   | FN | WO 04/019874   | 03/11/04                        | PCT                      |       |          |                                  |
| KC   | FO | WO 04/028451   | 04/08/04                        | PCT                      |       |          |                                  |
| KC   | FP | WO 04/054572   | 07/01/04                        | PCT                      |       |          |                                  |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)           |    |  |                                 |                          |       |          |                                  |
| KC   | FR | Mano et al., "The Effect of Anplag (Sarpogrelate HCL), New Selective 5-HT <sub>2</sub> Antagonist on Intraocular Pressure in Rabbits," IOVS, Vol. 36(4), S719 (1995)   |                                 |                          |       |          |                                  |
| KC   | FS | May et al., "A Novel and Selective 5-HT <sub>2</sub> Receptor Agonist with Ocular Hypotensive Activity: (S)-(+)-1-(2-Aminopropyl)-8,9-dihydropyrano[3,2-e]indole," J. Med. Chem., Vol. 46, pp. 4188-4195 (2003)  |                                 |                          |       |          |                                  |
| KC   | FT | May et al., "Evaluation of the Ocular Hypotensive Response of Serotonin 5-HT <sub>1A</sub> and 5-HT <sub>2</sub> Receptor Ligands in Conscious Ocular Hypertensive Cynomolgus Monkeys," J. of Pharmacology and Experimental Therapeutics," Vol. 306(1), pp. 301-309 (2003) |                                 |                          |       |          |                                  |

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| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)           |    |  |          |                          |       |          |                                  |
| KC   | GR | Monte et al, "Dihydrobenzofuran Analogues of Hallucinogens. 3 <sup>1</sup> Models of 4-Substituted (2,5-Dimethoxyphenyl)alkylamine Derivatives with Rigidified Methoxy Groups." <i>J. Med. Chem.</i> , Vol. 39, pp. 2953-2961 (1996) |          |                          |       |          |                                  |
| KC   | GS | Morin et al, "A Method to Measure Simultaneously Cyclic AMP and Inositol Phosphate Accumulation in Rat Brain Slices." <i>J. Of Neurochemistry</i> , Vol. 56(4), pp. 1114-1120 (1991)   |          |                          |       |          |                                  |
| KC   | GT | Osborne et al., "Do Beta-Adrenoceptors and Serotonin 5-HT <sub>1A</sub> Receptors Have Similar Functions in the Control of Intraocular Pressure in the Rabbit?", <i>Ophthalmologica</i> , Vol. 210, pp. 308-314 (1996)               |          |                          |       |          |                                  |

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| EXAMINER | /Karen Cheng/ | DATE CONSIDERED | 01/05/2007 |
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| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) |    |   |                          |         |       |          |                            |
| KC   | HR | Osborne et al., "5-Hydroxytryptamine <sub>1A</sub> agonists: potential use in glaucoma. Evidence from animal studies," <i>Eye</i> , Vol. 14(38), pp. 454-463 (2000)   |                          |         |       |          |                            |
| KC   | HS | Salomon et al., "Adenylate Cyclase Assay," <i>Advances in Cyclic Nucleotide Research</i> , Vol. 10, pp. 35-55 (1979)  |                          |         |       |          |                            |
| KC   | HT | Salomon et al., "[2] Cellular Responsiveness to Hormones and Neurotransmitters: Conversion of [ <sup>3</sup> H]Adenine to [ <sup>3</sup> H]cAMP in Cell Monolayers, Cell Suspensions, and Tissue Slices," <i>Methods in Enzymology</i> , Vol. 195, pp. 22-28 (1991) |                          |         |       |          |                            |

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| KC   | IR | Schoeffter et al., "Inhibition of cAMP Accumulation Via Recombinant Human Serotonin 5-HT <sub>1A</sub> Receptors: Considerations on Receptor Effector Coupling across Systems," <i>Neuropharmacology</i> , Vol. 36(4/5), pp. 429-437 (1997)  |                          |         |       |          |                            |
| KC   | IS | Sharif et al., "[ <sup>3</sup> H]AL-5848 ([ <sup>3</sup> H]9β-(+)-Fluprostenol), Carboxylic Acid of Travoprost (AL-6221), a Novel FP Prostaglandin o Study the Pharmacology and Autoradiographic Localization of the FP Receptor," <i>J. Pharm. Pharmacol.</i> Vol. 51: pp. 685-694 (1999) |                          |         |       |          |                            |
| KC   | IT | Takeda et al., "The Effect of Inplag. Novel Selective 5-HT <sub>2</sub> Antagonist on Intraocular Pressure In Glaucoma Patients," <i>IOVS</i> , Vo. 36(4), S734 (1995)   |                          |         |       |          |                            |

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| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)   |    |   |                                 |                          |       |          |                            |
| KC   | JR | Tobin et al., "Evidence for the Presence of Serotonergic Nerves and Receptors in the Iris-Ciliary Body Complex of the Rabbit," <i>The J. of Neurosciences</i> , Vol. 8(10), pp. 3713-3721 (1988)  |                                 |                          |       |          |                            |
| KC   | JS | Wang et al., "Effect of 5-methylurapidil, an $\alpha_{1b}$ -adrenergic antagonist and 5-hydroxytryptamine <sub>1<math>\alpha</math></sub> agonist on aqueous humor dynamics in monkeys and rabbits," <i>Current Eye Research</i> , Vol. 16(8), pp. 769-775 (1997) |                                 |                          |       |          |                            |
| KC   | JT | Wang et al., "Effect of Oxymetazoline on Aqueous Humor Dynamics and Ocular Blood Flow in Monkeys and Rabbits," <i>Archives of Ophthalmology</i> , Vol. 111, pp. 535-538 (1993)  |                                 |                          |       |          |                            |

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| KC   | KS | Zifa et al., "5-Hydroxytryptamine Receptors," <i>Pharmacological Reviews</i> , Vol. 44(3), pp. 401-458 (1992)   |      |                          |       |          |  |
|  | KT |   |      |                          |       |          |  |

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